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What is claimed is:

1. An illuminating apparatus for illuminating a container label on a container receptacle, comprising:

- a) a container cap for attaching to the container receptacle;
- b) at least one illumination source at least partially enclosed by said container cap; and
- c) said container cap is adapted to direct a plurality of light beams from said at least one illumination source to the container label, said plurality of light beams produced by said at least one illumination source.

2. The illuminating apparatus according to claim 1, wherein:
 said container cap includes means for removable attachment to the container receptacle.

3. The illuminating apparatus according to claim 1, wherein:
 said container cap includes means for removable attachment to a conventional container cap element of

1 the container receptacle.

2
3 4. The illuminating apparatus according to claim 1,
4 wherein:

5 said container cap includes a container cap insert
6 cover.

7
8 5. The illuminating apparatus according to claim 4,
9 wherein:

10 said container cap insert cover is attached to
11 said container cap, and movement of said container
12 cap insert cover operates to energize said at least
13 one illumination source.

14
15 6. The illuminating apparatus according to
16 claim 5, wherein:

17 a downward movement of said container cap
18 insert cover energizes said at least one
19 illumination source.

20
21 7. The illuminating apparatus according to
22 claim 6, wherein:

23 said downward movement energizes said at

least one illumination source for a preset
period of time.

8. The illuminating apparatus according to claim 1,
wherein:

said container cap includes a container cap side,
and a side-mounted flexible membrane material is
attached to said container cap side.

9. The illuminating apparatus according to claim 8,
wherein:

said side-mounted flexible membrane
material is adapted to be moved inwardly to
energize said at least one illumination source.

10. The illuminating apparatus according to claim 1,
wherein:

said container cap includes an electrical switch to
energize said at least one illumination source.

11. The illuminating apparatus according to claim 1,
wherein:

said at least one illumination source is at least

1 one light emitting diode.

2

3 12. The illuminating apparatus according to claim 1,
4 wherein:

5 said container cap includes at least one energy
6 source for producing an electrical current.

7

8 13. The illuminating apparatus according to claim
9 12, wherein:

10 said container cap includes a means for
11 reducing said electrical current used by said at
12 least one illumination source.

13

14 14. The illuminating apparatus according to
15 claim 13, wherein:

16 said means for reducing varies the
17 brightness of said at least one illumination
18 source.

19

20 15. The illuminating apparatus according to
21 claim 13, wherein:

22 said means for reducing is a potentiometer,

1 resistor, or astable multivibrator circuit.

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3 16. The illuminating apparatus according to claim 1,
4 wherein:

5 said container cap includes one or more surfaces
6 to direct said plurality of light beams from said at
7 least one illumination source to the container label.

8

9 17. The illuminating apparatus according to claim
10 16, wherein:

11 said surfaces are provided with one or more
12 optical coatings, and at least one of said optical
13 coatings is a reflective coating.

14

15 18. The illuminating apparatus according to claim 1,
16 wherein:

17 said container cap includes a printed circuit
18 board, said printed circuit board contains said at
19 least one illumination source mounted to emit said
20 plurality of light beams toward the container label.

21

22 19. The illuminating apparatus according to claim 1,
23 wherein:

1 said container cap includes at least one filter
2 cover.

3
4 20. The illuminating apparatus according to claim
5 19, wherein:

6 said at least one filter cover changes the
7 color of said plurality of light beams.

8
9 21. The illuminating apparatus according to claim
10 19, wherein:

11 said at least one filter cover diffuses said
12 plurality of light beams.

13
14 22. The illuminating apparatus according to claim
15 19, wherein:

16 said at least one filter cover focuses said
17 plurality of light beams onto the container label.

18
19 23. An illuminating apparatus for illuminating a label on
20 a container comprising:

21 a) housing means couplable to the container and
22 having at least one output opening;

23 b) illumination means within said housing means for

1 creating at least one lightwave; and

2 c) controlling means within said housing means for
3 controlling said illumination means.

4
5 24. The illuminating apparatus according to claim 23,
6 wherein:

7 said housing means includes a means for removably
8 attaching said housing means to one of (i) a
9 receptacle of the container, and (ii) a conventional
10 container cap element of the container.

11
12 25. The illuminating apparatus according to claim 23,
13 wherein:

14 said means for controlling said illumination
15 means includes,

16 (i) an electrical energy means for energizing
17 said illumination means;

18 (ii) an electrical current limiting means for
19 limiting an electrical current
20 to said illumination means; and

21 (iii) an electrical switching means for
22 electrically connecting said electrical

1 energy means to said illumination means.

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3 26. The illuminating apparatus according to claim
4 23, further comprising:

5 d) guiding means within said housing means for
6 directing said lightwave from said illumination
7 means to the container label.

8

9 27. An illuminating apparatus for illuminating a container
10 label on a container receptacle, comprising:

11 means coupled to the container receptacle to
12 illuminate the label.

13

14 28. The illuminating apparatus according to claim 27,
15 wherein:

16 said means is a cap coupled to the container
17 receptacle, said cap including at least one activatable
18 illumination source.

19

20 29. The illuminating apparatus according to claim 27,
21 wherein:

22 said means is a base into which the container
23 receptacle is removably coupled, said base including at

1 least one activatable illumination source.

2

3 30. An illuminating apparatus for illuminating a container
4 label, comprising:

5 a container receptacle having a wall with an outer
6 surface; a container cap removably couples to said
7 container receptacle and includes means for illuminating
8 said outer surface of said container receptacle.

9

10 31. An illuminating apparatus for illuminating a container
11 label, comprising:

12 a container receptacle having a wall with an outer
13 surface; said container receptacle couples to a base and
14 includes means for illuminating said outer surface of said
15 container receptacle.

16

17 32. A method of illuminating a label of a container,
18 comprising the steps of:

19 a) coupling an illumination source to the container;
20 and

21 b) illuminating the label of the container with said
22 illumination source.

23

1 33. A method according to claim 32, wherein:
2 said coupling and said illuminating includes
3 providing illumination for a medicine container.
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